TA-V710

SERVICE MANUAL

AEP Model
UK Model

SPECIFICATIONS

Amplifier section

Continuous RMS power output
(both channels driven simultaneously)
at 1 kHz
70 + 70 watts (0.03% THD, 6 ohms)
Continuous RMS rated power output
(both channels driven simultaneously)
at 40 Hz - 20 kHz, 0.03% THD
65 + 65 watts (6 ohms)
Power bandwidth (IHF)
10 Hz - 30 kHz (0.03% THD)
Harmonic distortion
Less than 0.03% at rated output
Intermodulation (IM) distortion
(60 Hz: 7 kHZ = 4 : 1)
Less than 0.03% at rated output
Frequency response
PHONO: RIAA equalization curve
±0.5 dB
TUNER, CD, AUX, TAPE 1, 2, GRAPHIC EQUALIZER: 7 Hz - 100 kHz $^{+0}_{-3}$ dB
MIC: 100 Hz - 10 kHz $^{+0}_{-6}$ dB
Residual noise: Less than 40 μV (6 ohms network A)
Damping factor: 40 (6 ohms, 1 kHz)

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.0 mV	50 kilohms	72 dB 74 dB* (A, 2,0 mV)
TUNER CD AUX TAPE 1, 2 GRAPHIC EQUALIZER	150 mV	50 kilohms	100 dB 83 dB* (A, 150 mV)
MIC	0.4 mV	10 kilohms	60 dB 60 dB * (A, 0,4 mV)

* '78 IHF

Outputs
REC OUT 1, 2, GRAPHIC EQUALIZER
Voltage 150 mV
Impedance 470 ohms
SPEAKERS A, B
Accepts speakers of 6 – 16 ohms.
HEADPHONES
Accepts low and high impedance headphones.
Tone controls
BASS
± 10 dB at 100 Hz (turnover freq. 400 Hz)
TREBLE
±10 dB at 10 kHz (turnover freq. 3 kHz)
Muting
-20 dB
Dynamic Optimum Loudness
+ 10 dB (70 Hz) at 1 watt

General

System
Preamplifier section:
NF type TONE control
Built in DOL circuit
Power amplifier section: pure-complementary SEPP OCL power amplifier with all stages direct coupled
Power requirements
AEP, G-AEP model: 220 V ac, 50/60 Hz
UK model: 240 V ac, 50 Hz
Power consumption
AEP, G-AEP model: 130 W
UK model: 300 W
AC outlets
AEP, G-AEP model: 1 unswitched 100 watts max.
UK model: 1 switched, 100 watts max.
Dimensions
Approx. 355 × 120 × 305 mm (w/h/d)
(14 × 4¾ × 12⅛ inches)
including projecting parts and controls
Weight
Approx. 6.3 kg (13 lb 15 oz)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

INTEGRATED STEREO AMPLIFIER

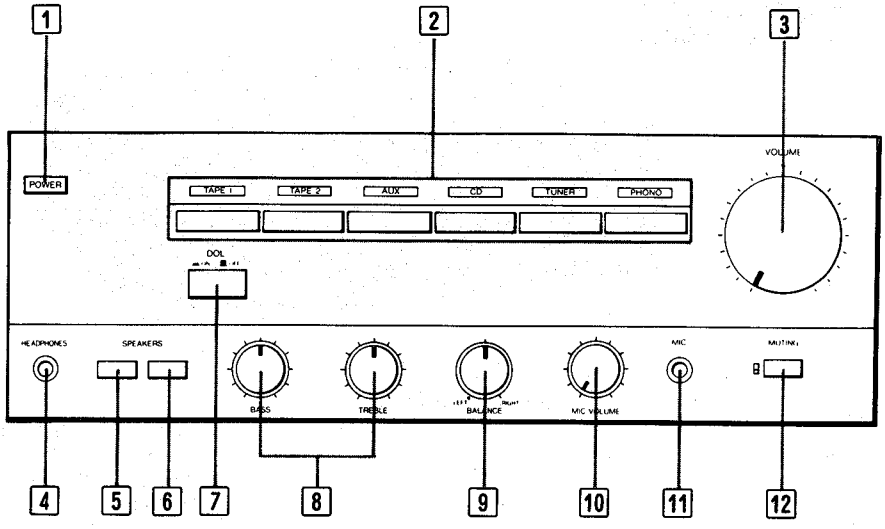
SONY®

MICROFILM

AUD

LOCATION AND FUNCTION OF CONTROLS

Front Panel



Rear Panel

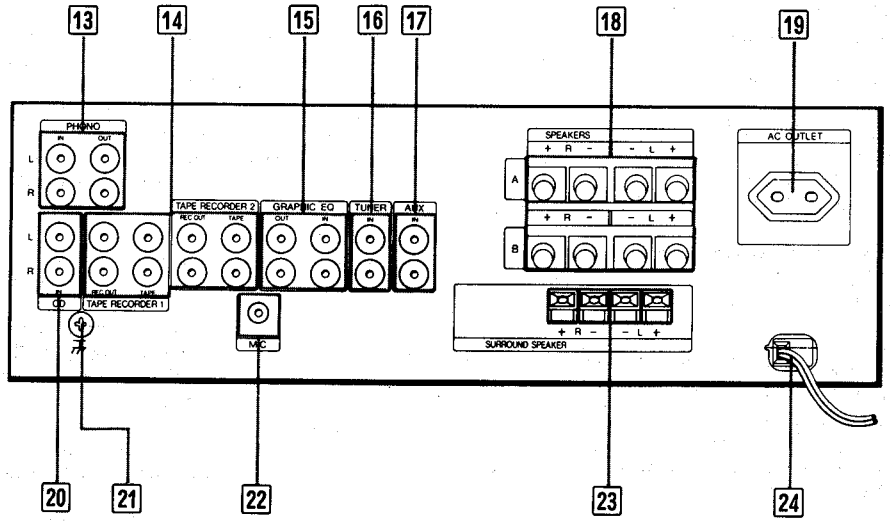
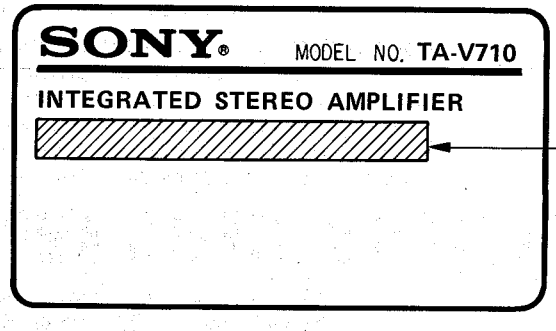


Illustration: AEP model

MODEL IDENTIFICATION

Carved on jack plate



AEP, G-AEP: AC 220 V ~ 50/60 Hz 130 W
UK: AC 240 V ~ 50/60 Hz 300 W

Each number in the text is keyed to that of the illustration on page 2.

Front Panel

1 POWER switch
Turns the operating power on or off.

2 Function select buttons and indicators
Select the desired equipment. The corresponding indicator will light up.

3 VOLUME control
Adjusts the sound level.

4 HEADPHONES jack (stereo phone jack)
The headphone volume can be adjusted with the VOLUME control. For headphone listening only, press the SPEAKERS ON/OFF switch to release it (⊓ OFF).

5 SPEAKERS ON/OFF switch
Press this switch to listen to a program with speakers.

6 SPEAKERS A/B switch
Select speaker system A (⊓: released) or B (⩍: depressed).

7 DOL (Dynamic optimum loudness) switch
Press this switch to reinforce the bass frequency response.

8 BASS and TREBLE tone controls
Adjust the tone quality.

9 BALANCE control
Adjusts the balance of the left and right channel output level.

10 MIC VOLUME control
Adjusts the level of a microphone.

11 MIC (microphone) jack
Connect a microphone for microphone mixing.

12 MUTING switch and indicator
Press this switch to decrease the sound level temporarily. Press the switch again to resume the original sound level.

Rear panel

13 PHONO inputs/outputs (phono jack)
IN: Accept the outputs of a turntable system.
OUT: Accept the inputs of the AVH-910 audio/video selector.

14 TAPE RECORDER 1, 2 inputs/outputs (phono jack)

15 GRAPHIC EQUALIZER inputs/outputs (phono jack)

16 TUNER inputs (phono jack)

17 AUX (auxiliary) inputs (phono jack)
Accept the outputs of auxiliary program sources.

18 SPEAKERS A, B connector

19 AC OUTLET
These are used to power other audio components whose power consumption is less than the wattage indicated on the ac outlet.
SWITCHED (UK model): This outlet is not controlled by POWER switch.
UNSWITCHED (AEP, G-AEP model): This outlet is not controlled by the POWER switch.

CAUTION: Do not connect any electrical home appliances such as an electric iron, fan, TV or other high wattage equipment to these ac outlets.

20 CD inputs (phono jack)

21 Ground terminal (⏚)
To prevent hum, be sure to connect the ground wire of the turntable system.

22 MIC (microphone) output
Accepts the microphone input of the AVH-910 audio/video selector for microphone mixing.

23 SURROUND SPEAKERS connector
For connecting the Sony SS-V330 surround speaker system.
In combination with the AVH-910 audio/video selector, you can enjoy the surround effect. Be sure to connect a front speaker system to A-connector.

24 POWER cord

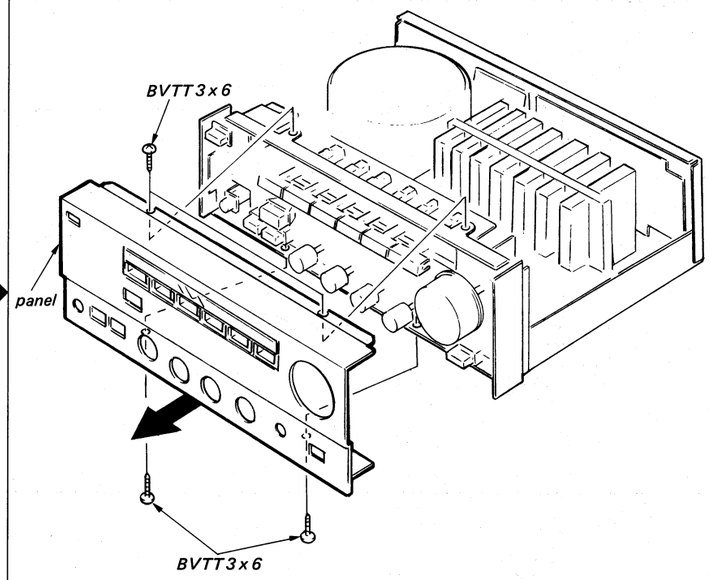
SECTION 1
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

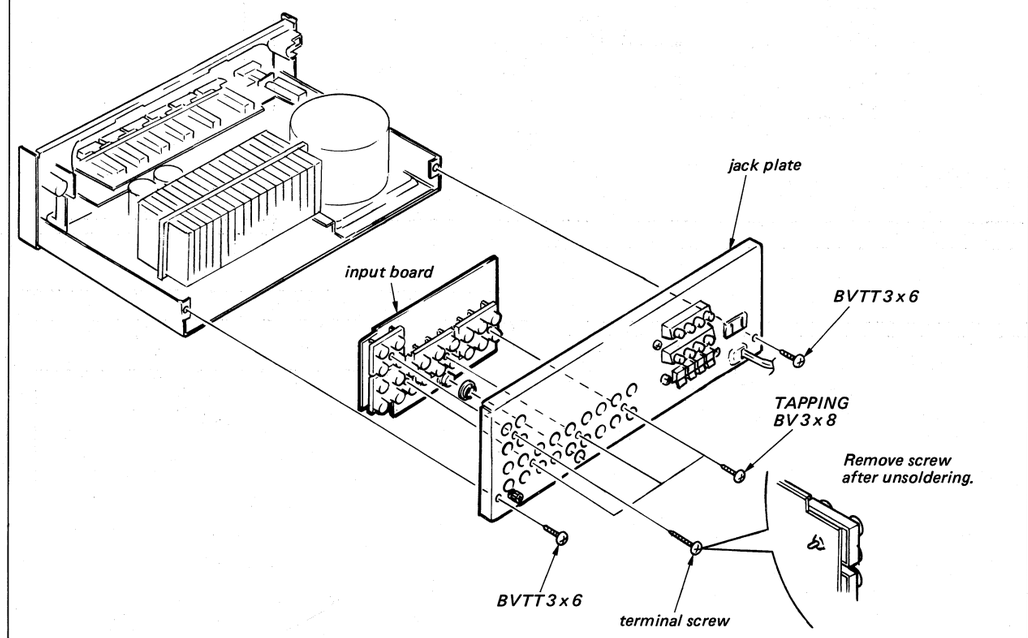
CASE

• Remove 4 screws.

PANEL

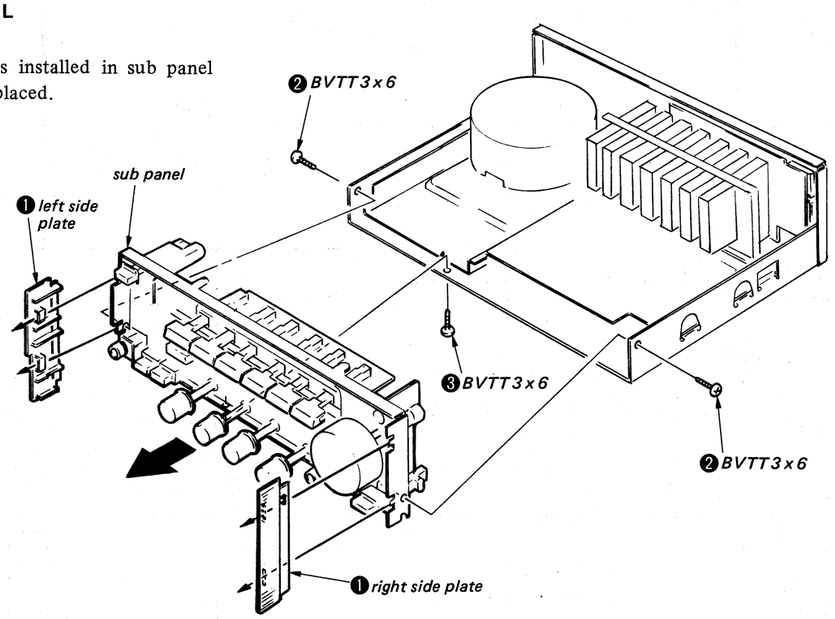


JACK PLATE/INPUT BOARD

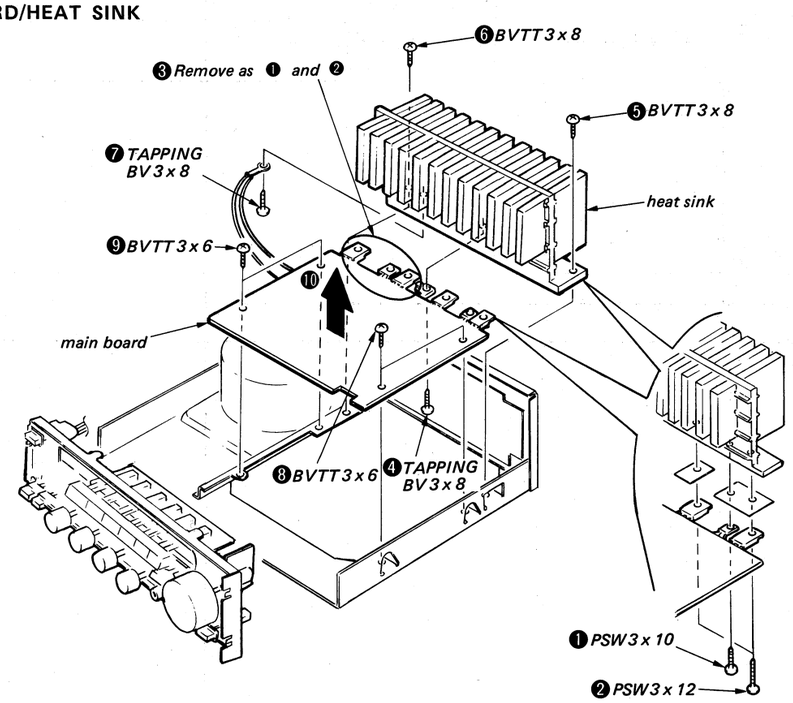


SUB PANEL

• PC boards installed in sub panel can be replaced.



MAIN BOARD/HEAT SINK



SECTION 2
ADJUSTMENTS

ELECTRICAL ADJUSTMENT

Before adjustment:

1. Make DC bias adjustment when replacing the following power transistors.
2. Turn RT301 and RT351 fully counterclockwise befor power switch is turned on.

Q301, 302, 304 – 306, 309 – 312 Q351, 352, 354 – 356, 359 – 362

DC BIAS Adjustment

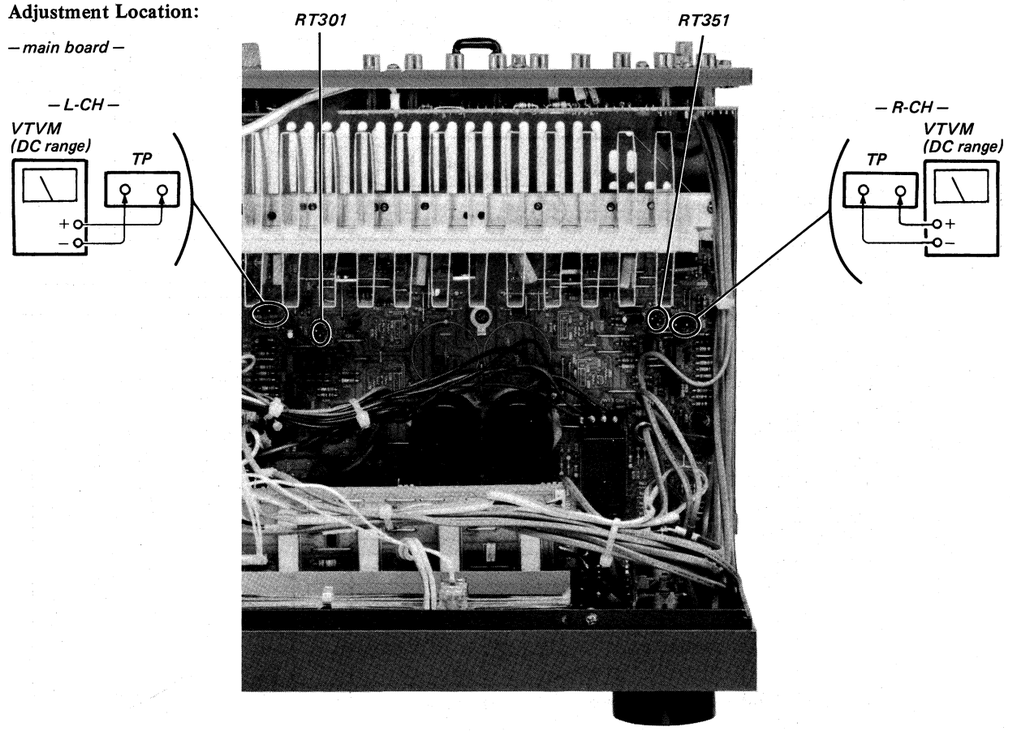
Setting:

- No signal (no load)
- Volume: MIN (minimum)

Procedure:

1. Connect VTVM across TP.
2. Adjust temporarily 10 seconds after power switch is turned on.
   Adjust RT301 (L-CH) and RT351 (R-CH) for 1mV reading on VTVM.
   (This adjustment should be made within a short time of period.)
3. Wait for more than 7 minutes after power switch is turned on.
   The adjustment will finish if reading on VTVM is in the extent of 2mV – 4mV.
   If not, make the adjustment again so that reading on VTVM is 3mV ± 0.5mV.

Adjustment Location:



3-1. SCHEMATIC DIAGRAM

【INPUT BOARD】 A

【FUNCTION BOARD(1/4)】

【TONE BOARD(1/2)】 B

【VOL. BOARD(1/2)】

【MAIN BOARD】 C

【POWER BOARD(1/3)】 D

【FUNCTION BOARD(1/4)】

【LAMP BOARD(1/2)】

IC101 M5219P EQ AMP

IC102 CX770 TAPE OUT 1/2 SELECT

IC402 M5219L MIC AMP

IC401 M5218P ADDER

Q403,453 2SC2603F BUFFER AMP

D202 SEL2810A-C

IC201 M5218P TONE AMP

IC202 M5218P BASE BOOST AMP

Q201 2SK246-BL BOOST CONTROL

IC203 M5218L BASE BOOST AMP

D201 ISS202-1

D251 ISS202-1

Q251 2SK246-BL BOOST CONTROL

Q252 2SC2603F

Q301 2SA979 DIFFERENTIAL AMP

Q305 2SD809-K BIAS

D302 HZ6A2L

Q303 2SC2603

Q351 2SA979 DIFFERENTIAL AMP

Q355 2SD809-K BIAS

D352 HZ6A2L

Q353 2SC2603

Q302 2SD666-B CURRENT MIRROR

Q352 2SD666-B CURRENT MIRROR

D301 ISS202-1

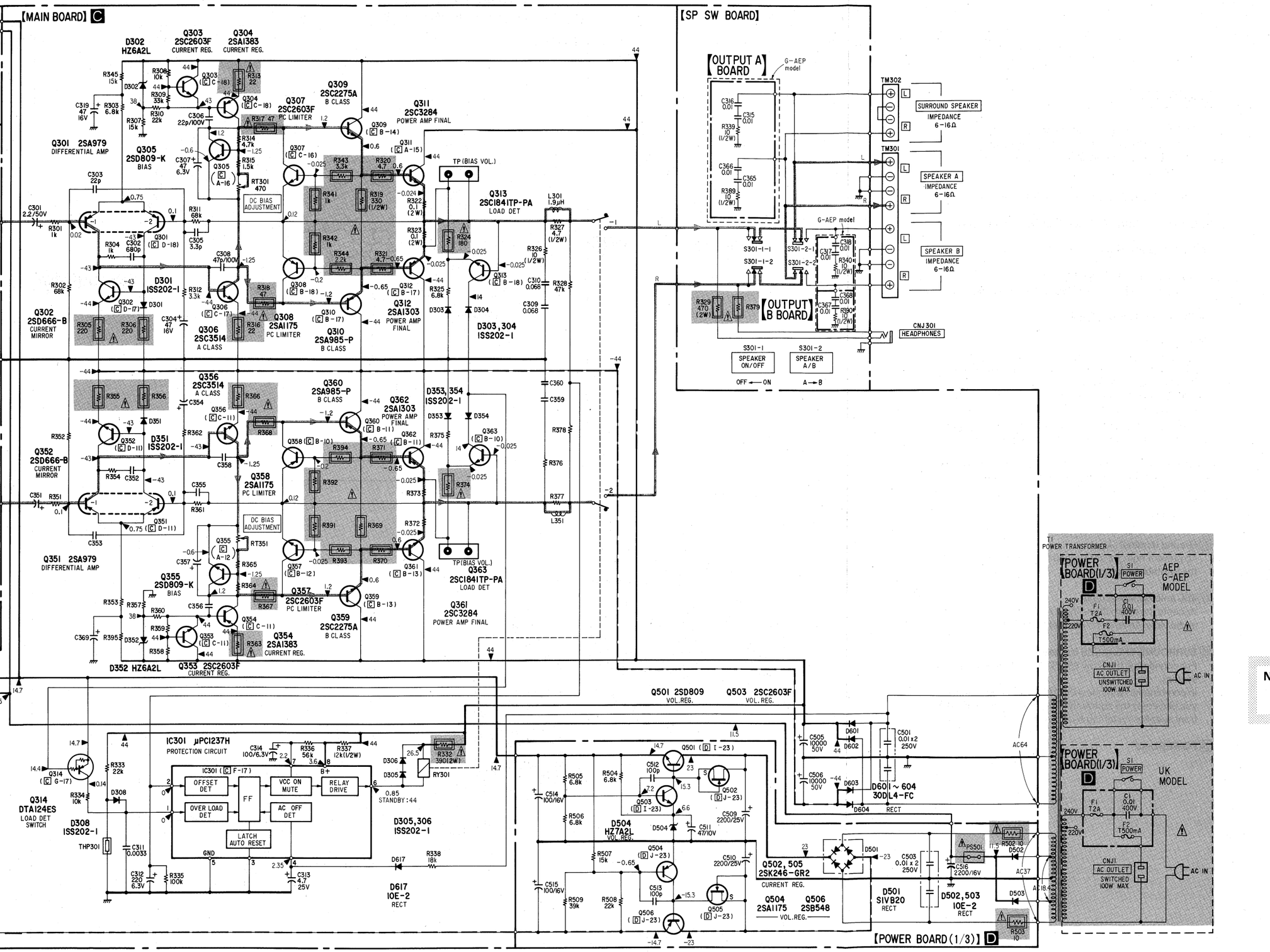
D351 ISS202-1

Q314 DTA124ES LOAD DET SWITCH

D308 ISS202-1

IC301 μPC PROTECTION CI

THP301



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ▬▶ : signal path (PHONO)
- Components for right channel have same values as for left channel. Reference numbers are coded from 150, 250, 350, 450.
- ⚠ : nonflammable resistor.
- ▬ : B+ bus.
- ▬ ▬ : B- bus.
- ▭ : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with VOM (50 kΩ/V).
- Voltage variations may be noted due to normal production tolerances.
- Numbers given near Ref. No. of ICs and transistors show these parts location on the PC boards.

(Example): Q201 (D H-23)
- Shows address on PC board
- Shows Ref. No. of PC board

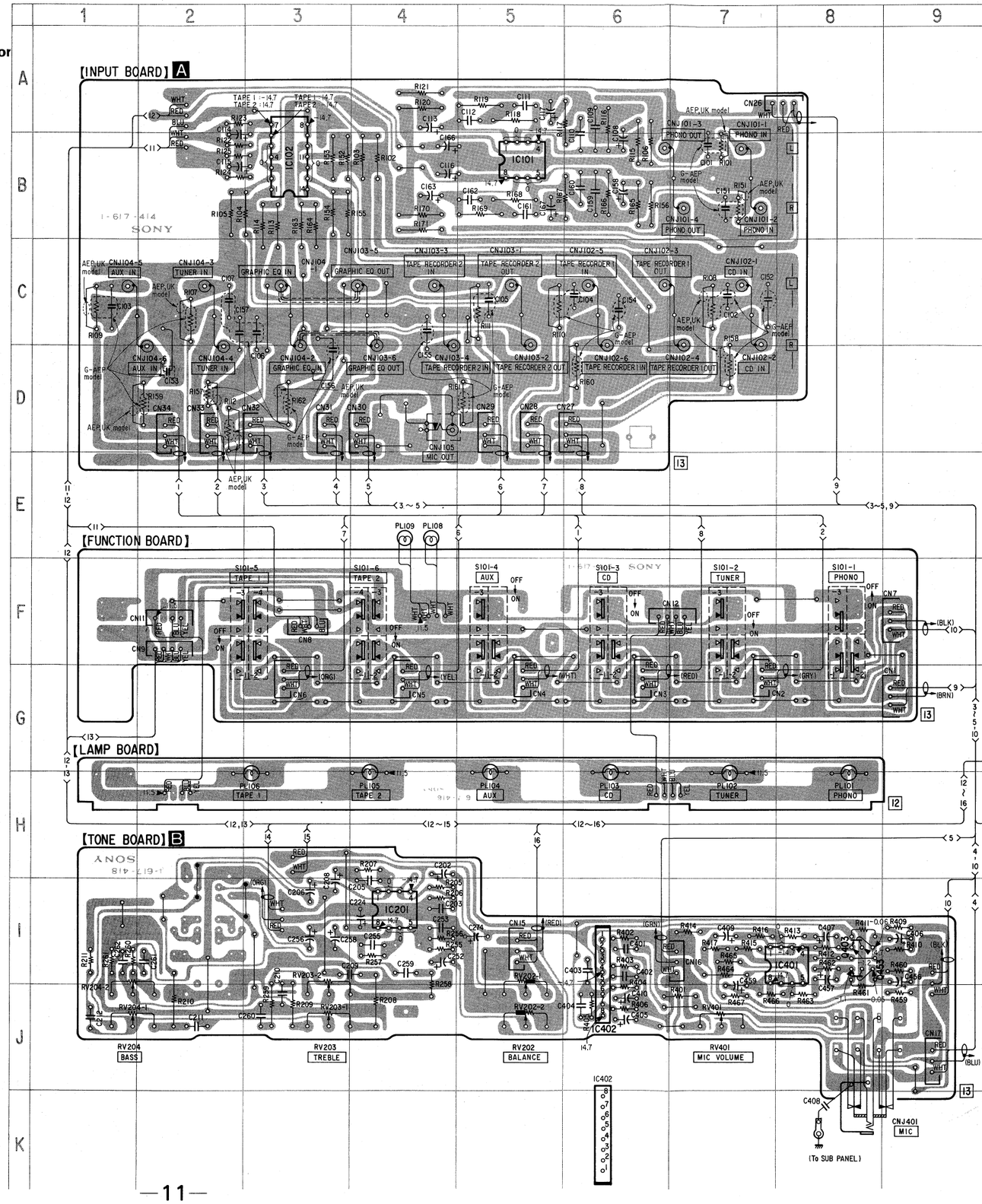
- Switches

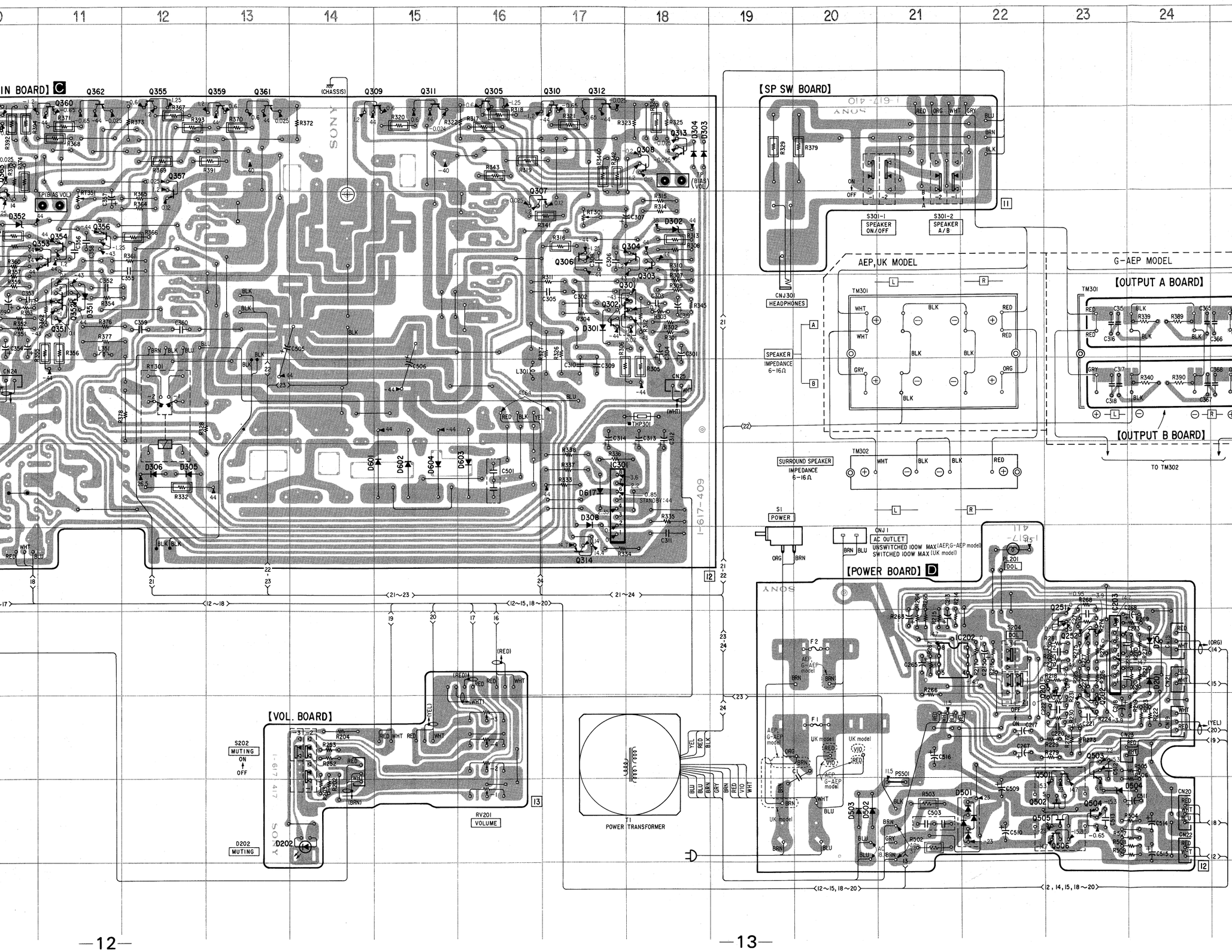
Ref. No.	Switch	Position
S1	POWER	OFF
S101-1	PHONO	ON
S101-2	TUNER	OFF
S101-3	CD	OFF
S101-4	AUX	OFF
S101-5	TAPE 1	OFF
S101-6	TAPE 2	OFF
S202	MUTING	OFF
S204	DOL	OFF
S301-1	SPEAKER ON/OFF	ON
S301-2	SPEAKER A/B	A

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

3-2. MOUNTING DIAGRAM

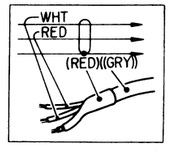
● See page 15 for semiconductor lead layouts.





Note:

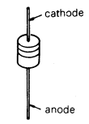
- Color code of sleeving over the end of the jacket.



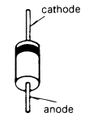
- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.

• Semiconductor Lead Layouts

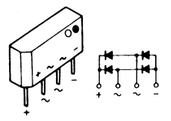
1SS202-1



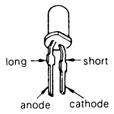
10E-2N
30DL4
HZ6A2L
HZ7A2L



S1VB20

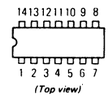


SEL2810A-C

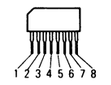


M5219P
M5218P

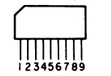
CX-770



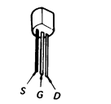
μPC1237H
M5218L
M5219L



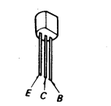
μPC4570HA



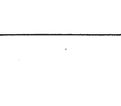
2SK246-BL
2SK246-GR1



2SD666A
2SC1841PA



2SD1289-Q
2SB966-Q



2SC2603F
DTA124ES

2SC2275A
2SA985

2SA979

2SA1142
2SD809
2SB731
2SC2682

2SA1175

2SD1289-Q
2SB966-Q

SECTION 4
EXPLODED VIEWS AND PARTS LIST

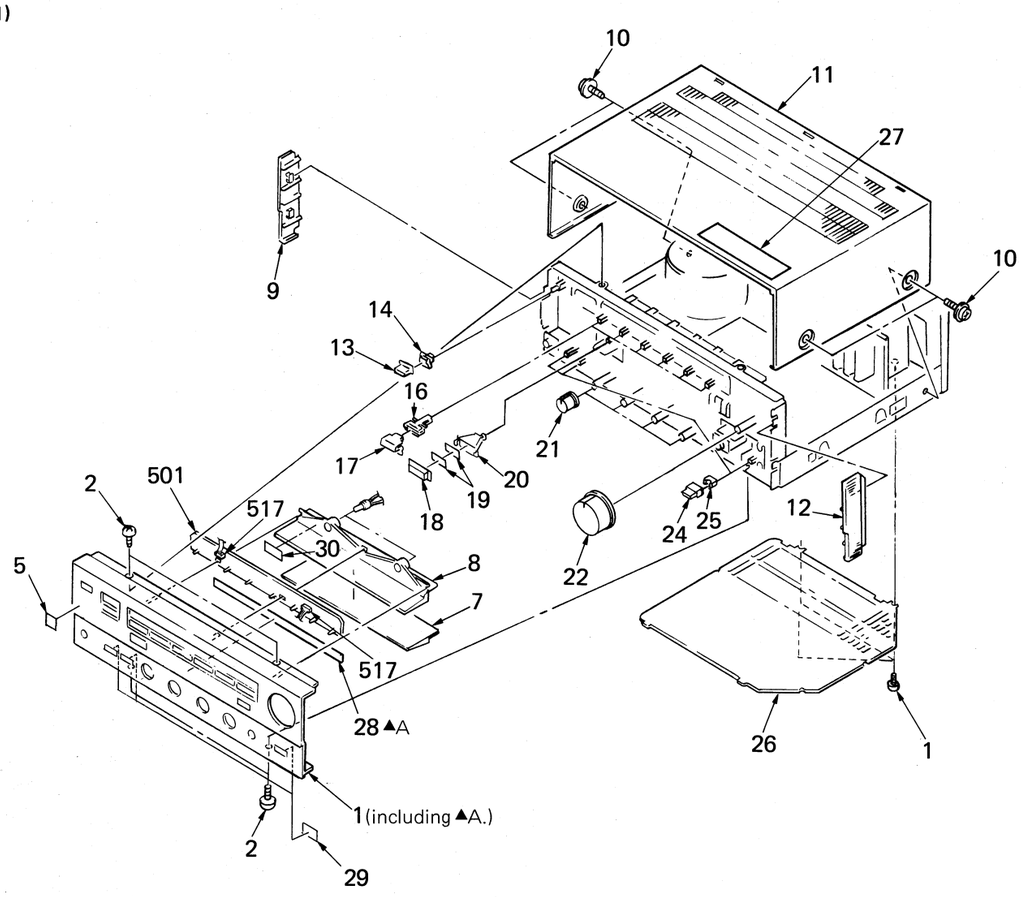
NOTE:
The mechanical parts with no reference number in the exploded views are not supplied.

· Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

· The construction parts of an assembled part are indicated with a collation number in the remark column.

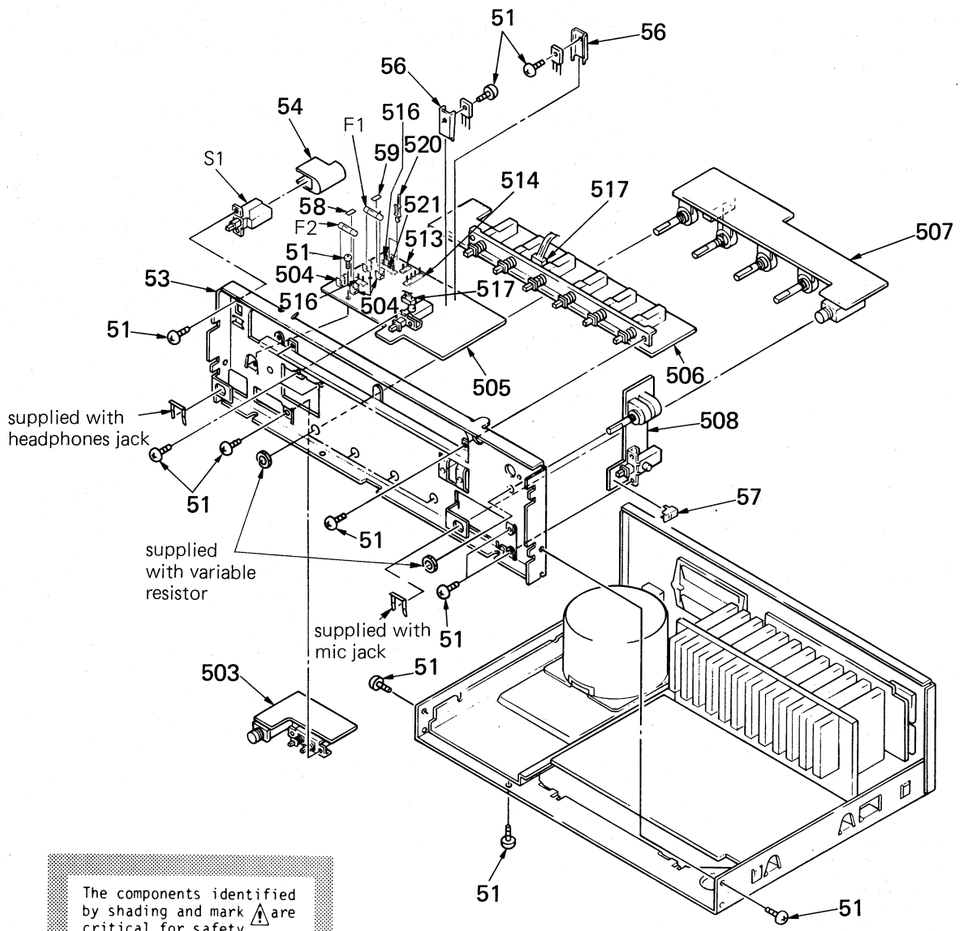
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

(1)



No.	Part No.	Description	Remarks
1	A-4322-783-A	PANEL ASSY	
2	7-685-871-01	SCREW +BVTT 3X6 (S)	
5	3-703-710-41	STICKER, SONY SYMBOL (12)	
7	*4-913-305-01	REFLECTOR	
8	*4-912-166-01	PLATE, LIGHT GUIDE	
9	4-912-170-01	PLATE, SIDE, LEFT	
10	4-886-821-01	SCREW, M3 CASE	
11	4-912-180-01	CASE	
12	4-912-171-01	PLATE, SIDE, RIGHT	
13	4-907-611-01	KNOB, POWER	
14	4-875-466-00	JOINT (F2), KNOB	
16	4-912-173-01	MOLD, T KNOB (F)	
17	4-912-164-01	KNOB (F1), T	
18	4-912-156-01	BUTTON	
19	*4-912-155-01	SHEET, BUTTON	
20	4-912-172-01	BASE, BUTTON	
21	4-912-167-01	KNOB (20), R	
22	X-4913-407-1	KNOB ASSY, VOL	
24	3-318-909-11	KNOB, PUSH	
25	4-864-307-00	RING	
26	*4-912-117-11	PLATE, BOTTOM	
27	4-861-045-00	LABEL, CAUTION	
28	4-912-174-02	ESCUTCHEON, FUN	
29	4-912-168-01	ESCUTCHEON	
30	9-911-845-XX	CUSHION	
501	*1-617-416-11	PC BOARD, LAMP	
517	*1-562-249-00	SOCKET, CONNECTOR 4P	

(2)

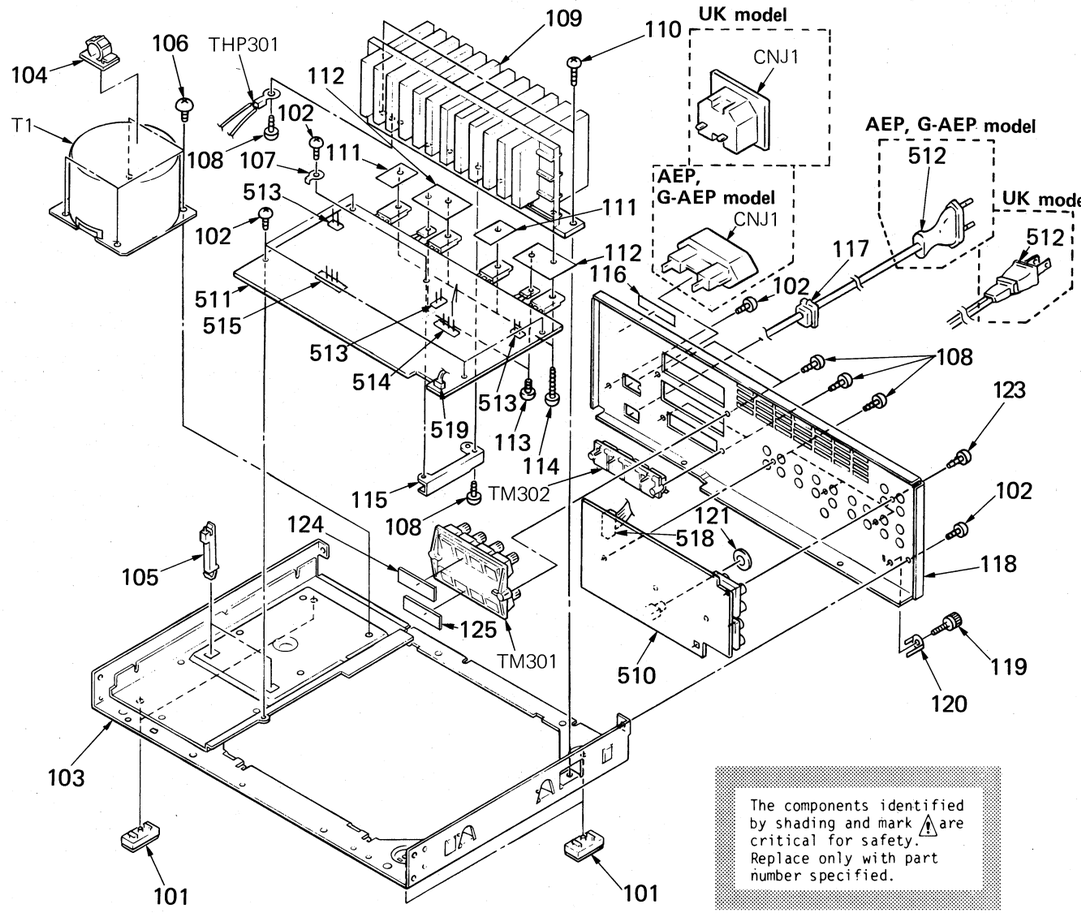


The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks
51	7-685-871-01	SCREW +BVTT 3X6 (S)	
53	*4-912-179-01	PANEL, SUB	
54	3-575-524-00	COVER, POWER SWITCH	
56	*3-312-615-31	HEAT SINK	
57	*4-912-153-01	BRACKET, LED	
58	*3-701-948-11	(AEP,G-AEP)...LABEL, FUSE	
59	*3-701-948-17	LABEL, FUSE	
503	*1-617-410-11	PC BOARD, SP SW	
504	1-533-183-11	HOLDER, FUSE	
505	*A-4394-368-A	(UK).....MOUNTED PCB, POWER	
	*A-4394-369-A	(AEP,G-AEP)...MOUNTED PCB, POWER	

No.	Part No.	Description	Remarks
506	*1-617-415-11	PC BOARD, FUNCTION	
507	*A-4375-237-A	MOUNTED PCB, TONE	
508	*1-617-417-11	PC BOARD, VOL.	
510	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P	
513	*1-535-115-00	TERMINAL	
514	*1-535-117-00	TERMINAL	
516	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P	
517	*1-562-249-00	SOCKET, CONNECTOR 4P	
520	1-535-444-00	TERMINAL	
521	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P	
F1	⚠.1-532-203-00	FUSE, TIME-LAG	
F2	⚠.1-532-279-00	FUSE, TIME-LAG	
S1	⚠.1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)	

(3)



The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks
101	X-4907-603-1	FOOT ASSY	
102	7-685-871-01	SCREW +BVTT 3X6 (S)	
103	*X-4912-108-1	CHASSIS ASSY	
104	*4-904-681-01	CLAMP (14), WIRE	
105	*3-669-571-00	SUPPORT, CHASSIS, SF	
106	7-685-880-01	SCREW +BVTT 4X6 (S)	
107	4-870-539-00	PLATE, GROUND	
108	7-685-646-71	SCREW +BVTP 3X8 TYPE2 N-S	
109	*4-912-176-01	HEAT SINK (W)	
110	7-685-752-04	SCREW +BVTT 3X8 (S)	
111	4-912-158-01	SHEET (A), INSULATING	
112	4-912-158-01	SHEET (B), INSULATING	
113	7-682-949-01	SCREW +PSW 3X10	
114	7-682-950-01	SCREW +PSW 3X12	
115	*4-912-161-01	BRACKET, PC BOARD	
116	4-302-759-00	LABEL, SERIAL NUMBER	
117	3-703-244-00	BUSHING (2104), CORD	
118	*4-912-177-31	(AEP).....PLATE, JACK	
	*4-912-177-41	(G-AEP)...PLATE, JACK	
	*4-912-177-51	(UK).....PLATE, JACK	

No.	Part No.	Description	Remarks
119	3-706-165-00	SCREW	
120	3-701-993-00	SPACER, TERMINAL	
121	*2-353-833-01	SPACER	
123	3-703-473-00	SCREW, TERMINAL	
124	*1-617-412-11	(G-AEP)....PC BOARD, OUTPUT (A)	
125	*1-617-413-11	(G-AEP)....PC BOARD, OUTPUT (B)	
510	1-617-414-11	PC BOARD, INPUT	
511	*A-4388-499-A	MOUNTED PCB, MAIN	
512	⚠.1-551-427-11	(AEP,G-AEP)...CORD, POWER, EULO PLUG	
	⚠.1-556-560-00	(UK).....CORD, POWER	
513	*1-535-115-00	TERMINAL	
514	*1-535-117-00	TERMINAL	
515	*1-535-116-00	TERMINAL	
518	*1-562-250-00	SOCKET, CONNECTOR 5P	
519	*1-562-327-00	SOCKET, CONNECTOR 3P	
CNJ1	⚠.1-526-751-11	(UK).....OUTLET, AC	
CNJ1	⚠.1-526-794-11	(AEP,G-AEP)...OUTLET, AC	
T1	⚠.1-448-435-11	TRANSFORMER, POWER	
THP301	1-800-427-00	POSISTOR	
TM301	1-536-662-00	TERMINAL BOARD (SPEAKER)	
TM302	1-536-705-21	TERMINAL BOARD (SP)	

SECTION 5
ELECTRICAL PARTS LIST

NOTE:
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501	*1-617-416-11	PC BOARD, LAMP
503	*1-617-410-11	PC BOARD, SP SW
504	1-533-183-11	HOLDER, FUSE
505	*A-4394-368-A	(UK).....MOUNTED PCB, POWER
	*A-4394-369-A	(AEP,G-AEP)...MOUNTED PCB, POWER
506	*1-617-415-11	PC BOARD, FUNCTION
507	*A-4375-237-A	MOUNTED PCB, TONE
508	*1-617-417-11	PC BOARD, VOL.
510	1-617-414-11	PC BOARD, INPUT
511	*A-4388-499-A	MOUNTED PCB, MAIN
512	⚠.1-551-427-11	(AEP,G-AEP)...CORD, POWER, EULO PLUG
	⚠.1-556-560-00	(UK).....CORD, POWER
513	*1-535-115-00	TERMINAL
514	*1-535-117-00	TERMINAL
515	*1-535-116-00	TERMINAL
516	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
517	*1-562-249-00	SOCKET, CONNECTOR 4P
518	*1-562-250-00	SOCKET, CONNECTOR 5P
519	*1-562-327-00	SOCKET, CONNECTOR 3P
520	*1-535-444-00	TERMINAL
521	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P
C1	⚠.1-161-744-00	CERAMIC 0.01MF 400V
C101	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C102	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C103	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C104	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C105	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C106	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C107	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C108	1-123-369-00	ELECT 4.7MF 20% 50V
C109	1-161-271-00	(G-AEP)....CERAMIC 100PF 5% 50V
C109	1-161-320-00	(AEP,UK)...CERAMIC 560PF 10% 50V
C110	1-162-215-31	CERAMIC 47PF 5% 50V
C111	1-106-190-00	MYLAR 0.0056MF 5% 50V
C112	1-106-176-00	MYLAR 0.0015MF 5% 50V
C113	1-123-369-00	ELECT 4.7MF 20% 50V
C114	1-123-380-00	ELECT 1MF 20% 50V
C115	1-123-380-00	ELECT 1MF 20% 50V
C116	1-123-330-00	ELECT 22MF 20% 16V
C117	1-123-330-00	ELECT 22MF 20% 16V
C151	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C152	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C153	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C154	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C155	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C156	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V
C157	1-162-286-31	(G-AEP)....CERAMIC 220PF 10% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C158	1-123-369-00	ELECT 4.7MF 20% 50V
C159	1-161-271-00	(G-AEP)....CERAMIC 100PF 5% 50V
C159	1-161-320-00	(AEP,UK)...CERAMIC 560PF 10% 50V
C160	1-162-215-31	CERAMIC 47PF 5% 50V
C161	1-106-190-00	MYLAR 0.0056MF 5% 50V
C162	1-106-176-00	MYLAR 0.0015MF 5% 50V
C163	1-123-369-00	ELECT 4.7MF 20% 50V
C166	1-123-330-00	ELECT 22MF 20% 16V
C167	1-123-330-00	ELECT 22MF 20% 16V
C202	1-123-381-00	ELECT 2.2MF 20% 50V
C203	1-162-282-31	CERAMIC 100PF 10% 50V
C205	1-162-211-31	CERAMIC 33PF 5% 50V
C206	1-123-369-00	ELECT 4.7MF 20% 50V
C208	1-123-612-00	ELECT 2.2MF 20% 50V
C209	1-106-186-00	MYLAR 0.0039MF 5% 50V
C210	1-136-157-00	FILM 0.022MF 5% 50V
C211	1-136-155-00	FILM 0.015MF 5% 50V
C212	1-136-165-00	FILM 0.1MF 5% 50V
C213	1-123-381-00	ELECT 2.2MF 20% 50V
C215	1-123-330-00	ELECT 22MF 20% 16V
C217	1-123-381-00	ELECT 2.2MF 20% 50V
C218	1-123-380-00	ELECT 1MF 20% 50V
C220	1-136-173-00	FILM 0.47MF 5% 50V
C221	1-136-155-00	FILM 0.015MF 5% 50V
C222	1-136-165-00	FILM 0.1MF 5% 50V
C223	1-162-304-31	CERAMIC 0.0047MF 30% 16V
C224	1-123-622-00	ELECT 22MF 20% 16V
C252	1-123-381-00	ELECT 2.2MF 20% 50V
C253	1-162-282-31	CERAMIC 100PF 10% 50V
C255	1-162-211-31	CERAMIC 33PF 5% 50V
C256	1-123-369-00	ELECT 4.7MF 20% 50V
C258	1-123-612-00	ELECT 2.2MF 20% 50V
C259	1-106-186-00	MYLAR 0.0039MF 5% 50V
C260	1-136-157-00	FILM 0.022MF 5% 50V
C261	1-136-155-00	FILM 0.015MF 5% 50V
C262	1-136-165-00	FILM 0.1MF 5% 50V
C263	1-123-381-00	ELECT 2.2MF 20% 50V
C265	1-123-330-00	ELECT 22MF 20% 16V
C267	1-123-381-00	ELECT 2.2MF 20% 50V
C268	1-123-380-00	ELECT 1MF 20% 50V
C270	1-136-173-00	FILM 0.47MF 5% 50V
C271	1-136-155-00	FILM 0.015MF 5% 50V
C272	1-136-165-00	FILM 0.1MF 5% 50V
C273	1-162-304-31	CERAMIC 0.0047MF 30% 16V
C274	1-123-622-00	ELECT 22MF 20% 16V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C301	1-123-381-00	ELECT 2.2MF 20% 50V
C302	1-161-321-00	CERAMIC 680PF 10% 50V
C303	1-102-959-00	CERAMIC 22PF 5% 50V
C304	1-123-332-00	ELECT 47MF 20% 16V
C305	1-161-253-00	CERAMIC 3.3PF 10% 50V
C306	1-107-284-00	MICA 22PF 5% 100V
C307	1-123-306-00	ELECT 47MF 20% 6.3V
C308	1-107-292-00	MICA 47PF 5% 100V
C309	1-136-163-00	FILM 0.068MF 5% 50V
C310	1-136-163-00	FILM 0.068MF 5% 50V
C311	1-161-327-00	CERAMIC 0.0033MF 30% 50V
C312	1-123-308-00	ELECT 220MF 20% 6.3V
C313	1-123-369-00	ELECT 4.7MF 20% 25V
C314	1-123-307-00	ELECT 100MF 20% 6.3V
C315	1-161-330-00	(G-AEP)...CERAMIC 0.01MF 30% 25V
C316	1-161-330-00	(G-AEP)...CERAMIC 0.01MF 30% 25V
C317	1-161-330-00	(G-AEP)...CERAMIC 0.01MF 30% 25V
C318	1-161-330-00	(G-AEP)...CERAMIC 0.01MF 30% 25V
C319	1-123-332-00	ELECT 47MF 20% 16V
C351	1-123-381-00	ELECT 2.2MF 20% 50V
C352	1-161-321-00	CERAMIC 680PF 10% 50V
C353	1-102-959-00	CERAMIC 22PF 5% 50V
C354	1-123-332-00	ELECT 47MF 20% 16V
C355	1-161-253-00	CERAMIC 3.3PF 10% 50V
C356	1-107-284-00	MICA 22PF 5% 100V
C357	1-123-306-00	ELECT 47MF 20% 6.3V
C358	1-107-292-00	MICA 47PF 5% 100V
C359	1-136-163-00	FILM 0.068MF 5% 50V
C360	1-136-163-00	FILM 0.068MF 5% 50V
C365	1-161-330-00	(G-AEP)...CERAMIC 0.01MF 30% 25V
C366	1-161-330-00	(G-AEP)...CERAMIC 0.01MF 30% 25V
C367	1-161-330-00	(G-AEP)...CERAMIC 0.01MF 30% 25V
C368	1-161-330-00	(G-AEP)...CERAMIC 0.01MF 30% 25V
C369	1-123-332-00	ELECT 47MF 20% 16V
C401	1-136-161-00	FILM 0.047MF 5% 50V
C402	1-162-305-31	CERAMIC 0.0068MF 30% 16V
C403	1-162-286-31	CERAMIC 220PF 10% 50V
C404	1-162-211-31	CERAMIC 33PF 5% 50V
C405	1-123-610-00	ELECT 0.47MF 20% 50V
C406	1-123-381-00	ELECT 2.2MF 20% 50V
C407	1-123-381-00	ELECT 2.2MF 20% 50V
C408	1-108-579-00	MYLAR 0.01MF 5% 50V
C409	1-123-381-00	ELECT 2.2MF 20% 50V
C410	1-123-622-00	ELECT 22MF 20% 16V
C456	1-123-381-00	ELECT 2.2MF 20% 50V
C457	1-123-381-00	ELECT 2.2MF 20% 50V
C459	1-123-381-00	ELECT 2.2MF 20% 50V
C501	1-102-394-00	CERAMIC 0.01MF 250V
C503	1-102-394-00	CERAMIC 0.01MF 250V
C505	1-125-426-11	ELECT(BLOCK) 10000MF 20% 50V
C506	1-125-426-11	ELECT(BLOCK) 10000MF 20% 50V
C509	1-124-938-11	ELECT 2200MF 20% 25V
C510	1-124-938-11	ELECT 2200MF 20% 25V
C511	1-123-306-00	ELECT 47MF 20% 10V
C512	1-162-282-31	CERAMIC 100PF 10% 50V
C513	1-162-282-31	CERAMIC 100PF 10% 50V
C514	1-123-333-00	ELECT 100MF 20% 16V
C515	1-123-333-00	ELECT 100MF 20% 16V
C516	1-124-556-11	ELECT 2200MF 20% 16V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CNJ1	⚠.1-526-751-11	(UK).....OUTLET, AC
CNJ1	⚠.1-526-794-11	(AEP,G-AEP)...OUTLET, AC
CNJ101	1-507-909-11	JACK, PIN 4P
CNJ102	1-507-914-11	JACK, PIN 6P
CNJ103	1-507-914-21	JACK, PIN 6P
CNJ104	1-507-914-21	JACK, PIN 6P
CNJ105	1-507-897-21	JACK, PIN 1P
CNJ301	1-507-863-21	JACK, LARGE TYPE
CNJ401	1-507-658-00	JACK
CNP1	*1-564-506-11	PLUG, CONNECTOR 3P
CNP2	*1-564-506-11	PLUG, CONNECTOR 3P
CNP3	*1-564-506-11	PLUG, CONNECTOR 3P
CNP4	*1-564-506-11	PLUG, CONNECTOR 3P
CNP5	*1-564-506-11	PLUG, CONNECTOR 3P
CNP6	*1-564-506-11	PLUG, CONNECTOR 3P
CNP7	*1-564-506-11	PLUG, CONNECTOR 3P
CNP8	*1-564-506-11	PLUG, CONNECTOR 3P
CNP9	*1-564-507-11	PLUG, CONNECTOR 4P
CNP11	*1-564-507-21	PLUG, CONNECTOR 4P
CNP12	*1-564-507-31	PLUG, CONNECTOR 4P
CNP15	*1-564-506-11	PLUG, CONNECTOR 3P
CNP16	*1-564-506-11	PLUG, CONNECTOR 3P
CNP17	*1-564-506-11	PLUG, CONNECTOR 3P
CNP18	*1-564-506-11	PLUG, CONNECTOR 3P
CNP19	*1-564-506-11	PLUG, CONNECTOR 3P
CNP20	*1-564-506-11	PLUG, CONNECTOR 3P
CNP21	*1-564-505-31	PLUG, CONNECTOR 2P
CNP22	*1-564-505-41	PLUG, CONNECTOR 2P
CNP23	*1-564-505-21	PLUG, CONNECTOR 2P
CNP24	*1-564-505-31	PLUG, CONNECTOR 2P
CNP25	*1-564-505-11	PLUG, CONNECTOR 2P
CNP26	*1-564-506-11	PLUG, CONNECTOR 3P
CNP27	*1-564-506-11	PLUG, CONNECTOR 3P
CNP29	*1-564-506-11	PLUG, CONNECTOR 3P
CNP30	*1-564-506-11	PLUG, CONNECTOR 3P
CNP31	*1-564-506-11	PLUG, CONNECTOR 3P
CNP32	*1-564-506-11	PLUG, CONNECTOR 3P
CNP33	*1-564-506-11	PLUG, CONNECTOR 3P
CNP34	*1-564-506-11	PLUG, CONNECTOR 3P
D201	8-719-107-94	DIODE 1SS202-1
D202	8-719-301-52	DIODE SEL2810A-C
D251	8-719-107-94	DIODE 1SS202-1
D301	8-719-107-94	DIODE 1SS202-1
D302	8-719-910-62	DIODE HZ6A2L
D303	8-719-107-94	DIODE 1SS202-1
D304	8-719-107-94	DIODE 1SS202-1
D305	8-719-107-94	DIODE 1SS202-1
D306	8-719-107-94	DIODE 1SS202-1
D308	8-719-107-94	DIODE 1SS202-1
D351	8-719-107-94	DIODE 1SS202-1
D352	8-719-910-62	DIODE HZ6A2L
D353	8-719-107-94	DIODE 1SS202-1
D354	8-719-107-94	DIODE 1SS202-1
D501	8-719-511-20	DIODE S1VB20
D502	8-719-200-77	DIODE 10E-2N
D503	8-719-200-77	DIODE 10E-2N
D504	8-719-910-72	DIODE HZ7A2L

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D601	8-719-230-24	DIODE 30DL4
D602	8-719-230-24	DIODE 30DL4
D603	8-719-230-24	DIODE 30DL4
D604	8-719-230-24	DIODE 30DL4
F1	⚠1-532-203-00	FUSE, TIME-LAG
F2	⚠1-532-279-00	FUSE, TIME-LAG
IC101	8-759-602-02	IC M5219P
IC102	8-757-700-00	IC CX-770
IC202	8-759-601-02	IC M5218P
IC203	8-759-600-02	IC M5218L
IC201	8-759-601-02	IC M5218P
IC301	8-759-101-23	IC UPC1237H
IC401	8-759-601-02	IC M5218P
IC402	8-759-600-02	IC M5218L
L301	*1-420-872-00	COIL, AIR CORE
L351	*1-420-872-00	COIL, AIR CORE
PL101	1-518-511-91	LAMP, PILOT
PL102	1-518-511-91	LAMP, PILOT
PL103	1-518-511-91	LAMP, PILOT
PL104	1-518-511-91	LAMP, PILOT
PL105	1-518-511-91	LAMP, PILOT
PL106	1-518-511-91	LAMP, PILOT
PL108	1-518-588-11	LAMP, PILOT
PL109	1-518-588-11	LAMP, PILOT
PL201	1-518-527-71	LAMP, PILOT
PS501	⚠1-532-686-00	LINK, IC
Q201	8-729-224-63	TRANSISTOR 2SK246-BL
Q202	8-729-606-33	TRANSISTOR 2SC2603-F
Q251	8-729-224-63	TRANSISTOR 2SK246-BL
Q252	8-729-606-33	TRANSISTOR 2SC2603-F
Q301	8-729-697-92	TRANSISTOR 2SA979
Q302	8-729-300-62	TRANSISTOR 2SD666A
Q303	8-729-606-33	TRANSISTOR 2SC2603-F
Q304	8-729-114-22	TRANSISTOR 2SA1142
Q305	8-729-180-93	TRANSISTOR 2SD809
Q306	8-729-168-22	TRANSISTOR 2SC2682
Q307	8-729-606-33	TRANSISTOR 2SC2603-F
Q308	8-729-117-54	TRANSISTOR 2SA1175
Q309	8-729-107-53	TRANSISTOR 2SC2275A
Q310	8-729-190-53	TRANSISTOR 2SA985A
Q311	8-729-111-74	TRANSISTOR 2SD1289-Q
Q312	8-729-111-77	TRANSISTOR 2SB966-Q
Q313	8-729-108-05	TRANSISTOR 2SC1841-PA
Q314	8-729-900-63	TRANSISTOR DTA124ES
Q351	8-729-697-92	TRANSISTOR 2SA979
Q352	8-729-300-62	TRANSISTOR 2SD666A
Q353	8-729-606-33	TRANSISTOR 2SC2603-F
Q354	8-729-114-22	TRANSISTOR 2SA1142
Q355	8-729-180-93	TRANSISTOR 2SD809
Q356	8-729-168-22	TRANSISTOR 2SC2682
Q357	8-729-606-33	TRANSISTOR 2SC2603-F
Q358	8-729-117-54	TRANSISTOR 2SA1175
Q359	8-729-107-53	TRANSISTOR 2SC2275A
Q360	8-729-190-53	TRANSISTOR 2SA985A
Q361	8-729-111-74	TRANSISTOR 2SD1289-Q
Q362	8-729-111-77	TRANSISTOR 2SB966-Q

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q363	8-729-108-05	TRANSISTOR 2SC1841-PA
Q403	8-729-606-33	TRANSISTOR 2SC2603-F
Q453	8-729-606-33	TRANSISTOR 2SC2603-F
Q501	8-729-180-93	TRANSISTOR 2SD809
Q502	8-729-224-62	TRANSISTOR 2SK246-GR
Q503	8-729-606-33	TRANSISTOR 2SC2603-F
Q504	8-729-117-54	TRANSISTOR 2SA1175
Q505	8-729-224-62	TRANSISTOR 2SK246-GR
Q506	8-729-173-13	TRANSISTOR 2SB731
Q601	8-729-206-08	TRANSISTOR 2SC3346-O
R101	1-247-831-00	(G-AEP)...CARBON 1.0K 5% 1/6W
R102	1-247-708-11	CARBON 470 5% 1/4W
R103	1-246-539-00	CARBON 560K 5% 1/4W
R104	1-247-708-11	CARBON 470 5% 1/4W
R105	1-246-539-00	CARBON 560K 5% 1/4W
R106	1-247-171-00	CARBON 47K 5% 1/4W
R107	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R108	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R109	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R110	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R111	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R112	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R113	1-247-135-00	CARBON 1.5K 5% 1/4W
R114	1-246-539-00	CARBON 560K 5% 1/4W
R115	1-247-713-11	CARBON 1K 5% 1/4W
R116	1-246-541-00	CARBON 680K 5% 1/4W
R117	1-247-129-00	CARBON 820 5% 1/4W
R118	1-246-541-00	CARBON 680K 5% 1/4W
R119	1-247-171-00	CARBON 47K 5% 1/4W
R120	1-249-469-11	CARBON 100K 5% 1/4W
R121	1-247-713-11	CARBON 1K 5% 1/4W
R122	1-249-429-11	CARBON 10K 5% 1/6W
R123	1-249-429-11	CARBON 10K 5% 1/6W
R124	1-249-429-11	CARBON 10K 5% 1/6W
R125	1-249-429-11	CARBON 10K 5% 1/6W
R151	1-247-831-00	(G-AEP)...CARBON 1.0K 5% 1/6W
R152	1-247-708-11	CARBON 470 5% 1/4W
R153	1-246-539-00	CARBON 560K 5% 1/4W
R154	1-247-708-11	CARBON 470 5% 1/4W
R155	1-246-539-00	CARBON 560K 5% 1/4W
R156	1-247-171-00	CARBON 47K 5% 1/4W
R157	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R158	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R159	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R160	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R161	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R162	1-247-823-00	(G-AEP)...CARBON 470 5% 1/6W
R163	1-247-135-00	CARBON 1.5K 5% 1/4W
R164	1-246-539-00	CARBON 560K 5% 1/4W
R165	1-247-713-11	CARBON 1K 5% 1/4W
R166	1-246-541-00	CARBON 680K 5% 1/4W
R167	1-247-129-00	CARBON 820 5% 1/4W
R168	1-246-541-00	CARBON 680K 5% 1/4W
R169	1-247-171-00	CARBON 47K 5% 1/4W
R170	1-249-469-11	CARBON 100K 5% 1/4W
R171	1-247-713-11	CARBON 1K 5% 1/4W
R202	1-249-437-11	CARBON 47K 5% 1/6W
R203	1-247-849-00	CARBON 5.6K 5% 1/6W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R204	1-247-713-11	CARBON	1K	5%	1/4W	
R205	1-247-831-00	CARBON	1K	5%	1/6W	
R206	1-247-899-00	CARBON	680K	5%	1/6W	
R207	1-247-899-00	CARBON	680K	5%	1/6W	
R208	1-247-845-00	CARBON	3.9K	5%	1/6W	
R209	1-247-827-00	CARBON	680	5%	1/6W	
R210	1-249-433-11	CARBON	22K	5%	1/6W	
R211	1-247-845-00	CARBON	3.9K	5%	1/6W	
R214	1-247-831-00	CARBON	1K	5%	1/6W	
R215	1-247-879-00	CARBON	100K	5%	1/6W	
R216	1-249-432-11	CARBON	18K	5%	1/6W	
R217	1-249-432-11	CARBON	18K	5%	1/6W	
R218	1-247-879-00	CARBON	100K	5%	1/6W	
R219	1-247-903-00	CARBON	1M	5%	1/6W	
R220	1-247-879-00	CARBON	100K	5%	1/6W	
R221	1-247-867-00	CARBON	33K	5%	1/6W	
R222	1-247-879-00	CARBON	100K	5%	1/6W	
R223	1-247-831-00	CARBON	1K	5%	1/6W	
R224	1-247-837-00	CARBON	1.8K	5%	1/6W	
R225	1-247-895-00	CARBON	470K	5%	1/6W	
R226	1-247-851-00	CARBON	6.8K	5%	1/6W	
R227	1-247-821-00	CARBON	390	5%	1/6W	
R229	1-247-851-00	CARBON	6.8K	5%	1/6W	
R230	1-247-903-00	CARBON	1M	5%	1/6W	
R231	1-247-879-00	CARBON	100K	5%	1/6W	
R252	1-249-437-11	CARBON	47K	5%	1/6W	
R253	1-247-849-00	CARBON	5.6K	5%	1/6W	
R255	1-247-831-00	CARBON	1K	5%	1/6W	
R256	1-247-899-00	CARBON	680K	5%	1/6W	
R257	1-247-899-00	CARBON	680K	5%	1/6W	
R258	1-247-845-00	CARBON	3.9K	5%	1/6W	
R259	1-247-827-00	CARBON	680	5%	1/6W	
R260	1-249-433-11	CARBON	22K	5%	1/6W	
R261	1-247-845-00	CARBON	3.9K	5%	1/6W	
R264	1-247-831-00	CARBON	1K	5%	1/6W	
R265	1-247-879-00	CARBON	100K	5%	1/6W	
R266	1-249-432-11	CARBON	18K	5%	1/6W	
R267	1-249-432-11	CARBON	18K	5%	1/6W	
R268	1-247-879-00	CARBON	100K	5%	1/6W	
R269	1-247-903-00	CARBON	1M	5%	1/6W	
R270	1-247-879-00	CARBON	100K	5%	1/6W	
R271	1-247-867-00	CARBON	33K	5%	1/6W	
R272	1-247-879-00	CARBON	100K	5%	1/6W	
R273	1-247-831-00	CARBON	1K	5%	1/6W	
R274	1-247-837-00	CARBON	1.8K	5%	1/6W	
R275	1-247-895-00	CARBON	470K	5%	1/6W	
R276	1-247-851-00	CARBON	6.8K	5%	1/6W	
R277	1-247-821-00	CARBON	390	5%	1/6W	
R279	1-247-851-00	CARBON	6.8K	5%	1/6W	
R280	1-247-903-00	CARBON	1M	5%	1/6W	
R281	1-247-879-00	CARBON	100K	5%	1/6W	
R301	1-247-713-11	CARBON	1K	5%	1/4W	
R302	1-247-175-00	CARBON	68K	5%	1/4W	
R303	1-247-151-00	CARBON	6.8K	5%	1/4W	
R304	1-247-713-11	CARBON	1K	5%	1/4W	
R305 ⚠	1-247-115-00	CARBON	220	5%	1/4W	F
R306 ⚠	1-247-115-00	CARBON	220	5%	1/4W	F

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R307	1-249-460-11	CARBON	15K	5%	1/4W	
R308	1-247-725-11	CARBON	10K	5%	1/4W	
R309	1-247-167-00	CARBON	33K	5%	1/4W	
R310	1-247-163-00	CARBON	22K	5%	1/4W	
R311	1-247-175-00	CARBON	68K	5%	1/4W	
R312	1-247-143-00	CARBON	3.3K	5%	1/4W	
R313 ⚠	1-247-091-00	CARBON	22	5%	1/4W	F
R314	1-247-721-11	CARBON	4.7K	5%	1/4W	
R315	1-247-135-00	CARBON	1.5K	5%	1/4W	
R316 ⚠	1-247-091-00	CARBON	22	5%	1/4W	F
R317 ⚠	1-247-099-00	CARBON	47	5%	1/4W	F
R318 ⚠	1-247-099-00	CARBON	47	5%	1/4W	F
R319 ⚠	1-247-228-00	CARBON	330	5%	1/2W	F
R320 ⚠	1-249-455-11	CARBON	4.7	5%	1/4W	F
R321 ⚠	1-249-455-11	CARBON	4.7	5%	1/4W	F
R322	1-217-611-00	RES, METAL PLATE 0.1				
R323	1-217-611-00	RES, METAL PLATE 0.1				
R324 ⚠	1-247-113-00	CARBON	180	5%	1/4W	F
R325	1-247-151-00	CARBON	6.8K	5%	1/4W	
R326	1-247-192-00	CARBON	10	5%	1/2W	
R327	1-249-482-11	CARBON	4.7	5%	1/2W	
R328	1-247-171-00	CARBON	47K	5%	1/4W	
R329 ⚠	1-206-656-00	METAL OXIDE	470	5%	2W	F
R332 ⚠	1-206-654-11	METAL OXIDE	390	5%	2W	F
R333	1-247-163-00	CARBON	22K	5%	1/4W	
R334	1-247-725-11	CARBON	10K	5%	1/4W	
R335	1-249-469-11	CARBON	100K	5%	1/4W	
R336	1-247-173-00	CARBON	56K	5%	1/4W	
R337	1-247-266-00	CARBON	12K	5%	1/2W	
R338	1-247-161-00	CARBON	18K	5%	1/4W	
R339	1-247-192-00	(G-AEP)...CARBON	10	5%	1/2W	
R340	1-247-192-00	(G-AEP)...CARBON	10	5%	1/2W	
R341 ⚠	1-247-131-00	CARBON	1K	5%	1/4W	F
R342 ⚠	1-247-131-00	CARBON	1K	5%	1/4W	F
R343 ⚠	1-247-143-00	CARBON	3.3K	5%	1/4W	F
R344 ⚠	1-247-139-00	CARBON	2.2K	5%	1/4W	F
R345	1-249-460-11	CARBON	15K	5%	1/4W	
R351	1-247-713-11	CARBON	1K	5%	1/4W	
R352	1-247-175-00	CARBON	68K	5%	1/4W	
R353	1-247-151-00	CARBON	6.8K	5%	1/4W	
R354	1-247-713-11	CARBON	1K	5%	1/4W	
R355 ⚠	1-247-115-00	CARBON	220	5%	1/4W	F
R356 ⚠	1-247-115-00	CARBON	220	5%	1/4W	F
R357	1-249-460-11	CARBON	15K	5%	1/4W	
R358	1-247-725-11	CARBON	10K	5%	1/4W	
R359	1-247-167-00	CARBON	33K	5%	1/4W	
R360	1-247-163-00	CARBON	22K	5%	1/4W	
R361	1-247-175-00	CARBON	68K	5%	1/4W	
R362	1-247-143-00	CARBON	3.3K	5%	1/4W	
R363 ⚠	1-247-091-00	CARBON	22	5%	1/4W	F
R364	1-247-721-11	CARBON	4.7K	5%	1/4W	
R365	1-247-135-00	CARBON	1.5K	5%	1/4W	
R366 ⚠	1-247-091-00	CARBON	22	5%	1/4W	F
R367 ⚠	1-247-099-00	CARBON	47	5%	1/4W	F
R368 ⚠	1-247-099-00	CARBON	47	5%	1/4W	F
R369 ⚠	1-247-228-00	CARBON	330	5%	1/2W	F
R370 ⚠	1-249-455-11	CARBON	4.7	5%	1/4W	F

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R371	⚠1-249-455-11	CARBON	4.7	5%	1/4W	F
R372	1-217-611-00	RES, METAL PLATE 0.1				
R373	1-217-611-00	RES, METAL PLATE 0.1				
R374	⚠1-247-113-00	CARBON	180	5%	1/4W	F
R375	1-247-151-00	CARBON	6.8K	5%	1/4W	
R376	1-247-192-00	CARBON	10	5%	1/2W	
R377	1-249-482-11	CARBON	4.7	5%	1/2W	
R378	1-247-171-00	CARBON	47K	5%	1/4W	
R379	⚠1-206-656-00	METAL OXIDE	470	5%	2W	F
R389	1-247-192-00	(G-AEP)...CARBON	10	5%	1/2W	
R390	1-247-192-00	(G-AEP)...CARBON	10	5%	1/2W	
R391	⚠1-247-131-00	CARBON	1K	5%	1/4W	F
R392	⚠1-247-131-00	CARBON	1K	5%	1/4W	F
R393	⚠1-247-143-00	CARBON	3.3K	5%	1/4W	F
R394	⚠1-247-139-00	CARBON	2.2K	5%	1/4W	F
R395	1-249-460-11	CARBON	15K	5%	1/4W	
R401	1-249-429-11	CARBON	10K	5%	1/6W	
R402	1-247-879-00	CARBON	100K	5%	1/6W	
R403	1-249-421-11	CARBON	2.2K	5%	1/6W	
R404	1-247-823-00	CARBON	470	5%	1/6W	
R405	1-247-879-00	CARBON	100K	5%	1/6W	
R406	1-249-437-11	CARBON	47K	5%	1/6W	
R409	1-247-831-00	CARBON	1K	5%	1/6W	
R410	1-247-879-00	CARBON	100K	5%	1/6W	
R411	1-247-879-00	CARBON	100K	5%	1/6W	
R412	1-249-433-11	CARBON	22K	5%	1/6W	
R413	1-247-859-00	CARBON	15K	5%	1/6W	
R414	1-247-853-00	CARBON	8.2K	5%	1/6W	
R415	1-247-853-00	CARBON	8.2K	5%	1/6W	
R416	1-247-859-00	CARBON	15K	5%	1/6W	
R417	1-247-879-00	CARBON	100K	5%	1/6W	
R459	1-247-831-00	CARBON	1K	5%	1/6W	
R460	1-247-879-00	CARBON	100K	5%	1/6W	
R461	1-247-879-00	CARBON	100K	5%	1/6W	
R462	1-249-433-11	CARBON	22K	5%	1/6W	
R463	1-247-859-00	CARBON	15K	5%	1/6W	
R464	1-247-853-00	CARBON	8.2K	5%	1/6W	
R465	1-247-853-00	CARBON	8.2K	5%	1/6W	
R466	1-247-859-00	CARBON	15K	5%	1/6W	
R467	1-247-879-00	CARBON	100K	5%	1/6W	
R502	⚠1-247-083-00	CARBON	10	5%	1/4W	F
R503	⚠1-247-083-00	CARBON	10	5%	1/4W	F
R504	1-247-851-00	CARBON	6.8K	5%	1/6W	
R505	1-247-851-00	CARBON	6.8K	5%	1/6W	
R506	1-247-851-00	CARBON	6.8K	5%	1/6W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R507	1-247-859-00	CARBON	15K	5%	1/6W
R508	1-249-433-11	CARBON	22K	5%	1/6W
R509	1-247-869-00	CARBON	39K	5%	1/6W
RT301	1-228-989-00	RES, ADJ, CARBON 470			
RT351	1-228-989-00	RES, ADJ, CARBON 470			
RV201	1-237-069-11	RES, VAR, CARBON 100KX2/10KX2			
RV202	1-237-070-11	RES, VAR, CARBON 100K/100K			
RV203	1-237-071-11	RES, VAR, CARBON 100K/100K			
RV204	1-237-071-11	RES, VAR, CARBON 100K/100K			
RV401	1-237-072-11	RES, VAR, CARBON 5K			
RY301	1-515-356-00	RELAY			
S1	⚠1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)			
S101	1-570-462-11	SWITCH, PUSH (6 KEY)			
S202	1-570-470-11	SWITCH, PUSH (1 KEY)			
S204	1-554-275-00	SWITCH, PUSH (1 KEY)			
S301	1-570-463-11	SWITCH, PUSH (2 KEY)			
T1	⚠1-448-435-11	TRANSFORMER, POWER			
THP301	1-800-427-00	POSISTOR			
TM301	1-536-662-00	TERMINAL BOARD (SPEAKER)			
TM302	1-536-705-21	TERMINAL BOARD (SP)			

ACCESSORY & PACKING MATERIAL

Part No.	Description
2-351-832-01	SHEET, PROTECTION
3-701-630-00	BAG, POLYETHYLENE
3-701-690-00	LABEL (MADE IN JAPAN)
3-703-079-21	LABEL, CAUTION (BACK)
3-703-710-41	STICKER, SONY SYMBOL (12)
3-765-079-11	(AEP,UK).....MANUAL, INSTRUCTION
3-765-079-41	(AEP,G-AEP)...MANUAL, INSTRUCTION
4-912-192-41	INDIVIDUAL CARTON
4-912-193-01	CUSHION

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